

EGFR kinase inhibitor 7

Chemical Properties

CAS No. :

Formula: C₂₈H₂₆Cl₂FN₃O₃SSe

Molecular Weight: 653.45

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	EGFRkinase inhibitor 7 (compound 18i) is an EGFR inhibitor with an IC ₅₀ of 42.3 nM, exhibiting anticancer properties. This compound demonstrates significant in vitro cytotoxicity and capacity to induce apoptosis. Furthermore, EGFRkinase inhibitor 7 displays anti-proliferative activity against human colon cancer cell line HCT116 and human non-small cell lung cancer cell line A549, with IC ₅₀ values of 4.82 μM and 1.43 μM, respectively.
Targets(IC ₅₀)	Apoptosis,EGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5303 mL	7.6517 mL	15.3034 mL
5 mM	0.3061 mL	1.5303 mL	3.0607 mL
10 mM	0.153 mL	0.7652 mL	1.5303 mL
50 mM	0.0306 mL	0.153 mL	0.3061 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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